

Title (en)

Stabilization of gyro drift compensation for image capture device

Title (de)

STABILISIERUNG EINER KREISELDRIFTKOMPENSIERUNG FÜR BILDAUFNAHMEVORRICHTUNG

Title (fr)

STABILISATION DE COMPENSATION DE DÉRIVE GYROSCOPIQUE POUR DISPOSITIF DE CAPTURE D'IMAGE

Publication

EP 2927744 A1 20151007 (EN)

Application

EP 15160781 A 20150325

Priority

US 201414230331 A 20140331

Abstract (en)

An image capture system comprises an image capture device (24) driven by a motor to a desired angle. A gyro (30) senses a rate and a system senses an angle of the image capture device (24) relative to a surface. A control removes a gyro bias error estimated by the system in real time for correcting a position of the image capture device (24).

IPC 8 full level

G03B 15/00 (2006.01); **B64D 47/08** (2006.01); **G01C 11/02** (2006.01)

CPC (source: EP US)

G01C 11/02 (2013.01 - EP US); **G01C 25/005** (2013.01 - EP); **G03B 15/006** (2013.01 - EP US); **G03B 17/561** (2013.01 - EP US); **H04N 23/685** (2023.01 - EP US)

Citation (search report)

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- [I] EP 0383114 A1 19900822 - HUGHES AIRCRAFT CO [US]
- [A] WO 2013191794 A1 20131227 - RAYTHEON CO [US]
- [A] US 2007129853 A1 20070607 - GREENFELD ISRAEL [IL], et al

Citation (examination)

- US 2014016118 A1 20140116 - COMPTON ROBERT [US], et al
- EP 0179197 A2 19860430 - BODENSEEWERK GERAETETECH [DE]

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GB2532841A; GB2532841B; EP4001850A1; WO2017128062A1; US10745148B2; US11053022B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2927744 A1 20151007; US 2015358522 A1 20151210

DOCDB simple family (application)

EP 15160781 A 20150325; US 201414230331 A 20140331